

ABSTRACT

This invention relates to splice and dead end fittings and methods for splicing together two aluminum conductor composite core reinforced cable (ACCC) or terminating one composite core reinforced cable. The compression fitting uses a compressible body inside a rigid enclosure to hold the composite cores. First, the composite cores can be stripped of the aluminum conductor to provide the best bond between the compressible body and the composite core, the load-bearing member of the cable. After inserting the composite core into the compressible body, a compression implement may be used to compress the compressible body. Without the ability to expand because the rigid enclosure forces the compressible body to maintain its shape, the compressible body places compressive forces on the composite core. The compressible body holds the composite core with frictional or mechanical forces.